

Customer No.: 31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

AMENDMENTS

To the Claims:

1. (Currently amended) A selectable booting operation method by a Basic Input Output System (BIOS) with a multi-partition in a disk which comprising a plurality of partitions, comprising:

turning on a power of a computer;

initializing a plurality of hardware components in the computer;

executing an interrupt service program;

reading a Master Boot Record (MBR) in the disk;

setting a multi-partition boot selection flag;

selecting one of the partitions by using the multi-partition boot selection flag;

determining whether the one of the partitions is bootable or not; and

reading a boot sector in the one of the partitions to boot the computer if the one of the partitions is determined bootable,

wherein selecting the multi-partition boot selection flag is performed by an embedded controller in the computer.

2. (Cancelled)

3. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein selecting the multi-partition boot selection

Customer No.: 31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

flag is performed by a keyboard controller in the computer.

4. (Cancelled)

5. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein setting the multi-partition boot selection flag is performed by an embedded controller in the computer.

6. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein setting the multi-partition boot selection flag is performed by a keyboard controller in the computer.

7. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein setting the multi-partition boot selection flag is performed by a remote controller.

8. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein the multi-partition boot selection flag is stored in a memory in the computer.

9. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein the multi-partition boot selection flag is stored in a register in the computer.

10. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein when the one of the partitions is not

Customer No.: 31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

bootable, a boot fail message is displayed.

11. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein when the one of the partitions is not bootable, a default partition in the disk set by the BIOS is read.

12. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 11, wherein when the default partition is bootable, a boot sector in the default partition is read so as to boot the computer.

13. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 11, wherein when the default partition is not bootable, a boot fail message is displayed.

14. (Original) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 1, wherein the interrupt service program is an INT 19H interrupt service program.

15. (New) A selectable booting operation method by a Basic Input Output System (BIOS) with a multi-partition in a disk which comprising a plurality of partitions, comprising:

turning on a power of a computer;

initializing a plurality of hardware components in the computer;

executing an interrupt service program;

Customer No.:31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

reading a Master Boot Record (MBR) in the disk;
setting a multi-partition boot selection flag;
selecting one of the partitions by using the multi-partition boot selection flag;
determining whether the one of the partitions is bootable or not; and
reading a boot sector in the one of the partitions to boot the computer if the one of the partitions is determined bootable,
wherein selecting the multi-partition boot selection flag is performed by a keyboard controller in the computer.

16. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein selecting the multi-partition boot selection flag is performed by an embedded controller in the computer.

17. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein setting the multi-partition boot selection flag is performed by an embedded controller in the computer.

18. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein setting the multi-partition boot selection flag is performed by a keyboard controller in the computer.

19. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein setting the multi-partition boot selection

Customer No.:31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

flag is performed by a remote controller.

20. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein the multi-partition boot selection flag is stored in a memory in the computer.

21. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein the multi-partition boot selection flag is stored in a register in the computer.

22. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein when the one of the partitions is not bootable, a boot fail message is displayed.

23. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein when the one of the partitions is not bootable, a default partition in the disk set by the BIOS is read.

24. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 23, wherein when the default partition is bootable, a boot sector in the default partition is read so as to boot the computer.

25. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 23, wherein when the default partition is not bootable, a boot fail message is displayed.

Customer No.:31561
Application No.: 10/605,916
Docket No.: 10939-US-PA

26. (New) The selectable booting operation method by the BIOS with the multi-partition in the disk of claim 15, wherein the interrupt service program is an INT 19H interrupt service program.